# FCC TEST REPORT

# For NUUO INC.

Network Video Recorder

Model No.: NC-2xx0, NVC-2xx0 (xx = 00, 02, 04, 06, 08, 10, 12, 14, 16)

**Test Report Number: ESTSZ141201203F** 





### ${\bf SHENZHEN}\ {\bf EXACT}\ {\bf STANDARD}\ {\bf TESTING}\ {\bf TECHNOLOGY}\ {\bf CO., LTD.}$

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## **TABLE OF CONTENTS**

| 1 GENERAL INFORMATION  | 3  |
|--|----|
| 1.1 Product Description for Equipment Under Test (EUT)                                 | 3  |
| 1.2 Test Standards   |    |
| 1.3 Test Summary   |    |
| 1.4 Test Methodology   |    |
| 1.5 Test Facility  |    |
| 1.6 Test Equipment List and Details  | 5  |
| 2 TEST CONFIGURATION   | 6  |
| 2.1 JUSTIFICATION  | 6  |
| 2.2 EUT Exercise Software  | 6  |
| 2.3 Special Accessories  |    |
| 2.4 EQUIPMENT MODIFICATIONS  |    |
| 2.5 BASIC TEST SETUP BLOCK DIAGRAM   | 6  |
| 3 DISTURBANCE VOLTAGE AT THE MAINS TERMINALS   | 7  |
| 3.1 Measurement Uncertainty  |    |
| 3.2 LIMIT OF DISTURBANCE VOLTAGE AT THE MAINS TERMINALS (FCC PART15 SUBPART B CLASS B) |    |
| 3.3 EUT SETUP  |    |
| 3.4 Instrument Setup   |    |
| 3.5 Test Procedure   |    |
| 3.6 DISTURBANCE VOLTAGE TEST DATA  | 8  |
| 4 RADIATED DISTURBANCES  | 11 |
| 4.1 MEASUREMENT UNCERTAINTY  |    |
| 4.2 LIMIT OF RADIATED DISTURBANCES (SUBPART B CLASS B)                                 |    |
| 4.3 EUT SETUP  |    |
| 4.4 Test Receiver Setup  |    |
| 4.5 Test Procedure   |    |
| 4.6 RADIATED EMISSIONS TEST RESULT   | 12 |
| APPENDIX A. EUT PHOTOGRAPHS  |    |
| EUT - FRONT VIEW   | 17 |
| EUT - Back View  |    |
| EUT - Inside View  |    |
| EUT - Inside View  |    |
| EUT - Inside View  |    |
| EUT - Inside View  | 19 |
| APPENDIX B - TEST SETUP PHOTOGRAPHS  | 20 |
| CONDUCTED EMISSION   | 20 |
| RADIATED EMISSION  |    |

### 1 GENERAL INFORMATION

### 1.1 Product Description for Equipment Under Test (EUT)

**Client Information** 

Applicant: NUUO INC.

Address of applicant: B1, No. 207-1, Sec. 3, Beixin Rd., Xindian Dist., New Taipei City

231,Taiwan

Manufacturer: SHENZHEN BAICHUAN SECURITY TECHNOLOGY CO., LTD

Address of manufacturer: 5th Floor, Building 7, Tangtou 3rd Industrial Area, Shiyan Town,

Bao'an District, Shenzhen City, China

General Description of E.U.T

EUT Description: Network Video Recorder

Trade Name: NUUO

Model No.: NC-2xx0, NVC-2xx0 (xx = 00, 02, 04, 06, 08, 10, 12, 14, 16)

Test Model No.: NVC-2080

Power Supply: DC 12V via Adapter Test Power Supply: AC 120V, 60Hz

### 1.2 Test Standards

The following Declaration of Conformity report of EUT is prepared in accordance with

### FCC Rules and Regulations Part 15 Subpart B

The objective of the manufacturer is to demonstrate compliance with the described above standards.

| Date of Test :                | Dec. 02 ~ 05, 2014                        |
|-------------------------------|---|
| D 11                          | yoyo Deng                                 |
| Prepared by :                 | (Engineer: Yoyo Deng )                    |
| Reviewer:                     | CA CO |
|                               | (Project Manager: Charles Liu)            |
| Approved & Authorized Signer: | Di hi                                     |
|                               | (Manager: Ronnie Liu)                     |

### 1.3 Test Summary

For the EUT described above. The standards used were FCC Part 15 Subpart B for Emissions

Table 1: Tests Carried Out Under FCC Part 15 Subpart B

| Standard              | Test Items                            | Status       |
|-----------------------|---------------------------------------|--------------|
| FCC Part 15 Subpart B | Conduction Emission, 0.15MHz to 30MHz | $\sqrt{}$    |
| FCC Part 15 Subpart B | Radiation Emission, 30MHz to 1000MHz  | $\checkmark$ |

- $\sqrt{\phantom{a}}$  Indicates that the test is applicable
- × Indicates that the test is not applicable

### 1.4 Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2009, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the Operating Instructions.

The maximum emission levels emanating from the device are compared to the FCC Part 15 Subpart B limits for radiation emissions and the measurement results contained in this test report show that EUT is to be technically compliant with FCC requirements.

### 1.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

FCC - Registration No.: 600491

Global United Technology Service Co., Ltd has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 600491

# 1.6 Test Equipment List and Details

Test equipments list of GTS Standards Technical Services Co., Ltd.

| Equipment           | Manufacturer         | Model#    | Serial # | Data of Cal.  | Due Data      |
|---------------------|----------------------|-----------|----------|---------------|---------------|
| 3m Semi-Anechoic    | ZhongYu Electron     | N/A       | N/A      | Apr.28, 2014  | Apr.27, 2015  |
| Chamber             |                      |           |          |               |               |
| EMI Test Receiver   | Rohde & Schwarz      | ESU26     | GTS203   | Dec. 12, 2013 | Dec. 11, 2014 |
| EMI Test Software   | AUDIX                | E3        | N/A      | N/A           | N/A           |
| Coaxial cable       | GTS                  | N/A       | GTS400   | Mar. 18, 2014 | Mar. 17, 2015 |
| BiConiLog           | SCHWARZBECK          | VULB9163  | GTS204   | Mar. 12, 2014 | Mar. 11, 2015 |
| Antenna (26-        | MESS-                |           |          |               |               |
| 3000MHz)            | ELEKTRONIK           |           |          |               |               |
|                     |                      |           |          |               |               |
| Pre-amplifier (0.1- | Agilent Technologies | 8447D     | SEL0053  | Mar. 18, 2014 | Mar. 17, 2015 |
| 1300MHz)            |                      |           |          |               |               |
| Double-ridged       | SCHWARZBECK          | 9120D-829 | GTS205   | Mar. 12, 2014 | Mar. 11, 2015 |
| horn (1-18GHz)      | MESS-                |           |          |               |               |
|                     | ELEKTRONIK           |           |          |               |               |
| Pre-amplifier (1-   | Rohde & Schwarz      | AFS42-    | SEL0081  | Mar. 18, 2014 | Mar. 17, 2015 |
| 18GHz)              |                      | 00101800- |          |               |               |
|                     |                      | 25-S-42   |          |               |               |
| Band filter         | Amindeon             | 82346     | SEL0094  | Mar. 18, 2014 | Mar. 17, 2015 |
| Shielding Room      | Zhong Yu Electron    | N/A       | GTS206   | N/A           | N/A           |
| LISN                | SCHWARZBECK          | NSLK 8127 | GTS207   | Mar. 18, 2014 | Mar. 17, 2015 |
|                     | MESS-                |           |          |               |               |
|                     | ELEKTRONIK           |           |          |               |               |
| ISN                 | Rohde & Schwarz      | ENY221109 | EMC0114  | Mar. 18, 2014 | Mar. 17, 2015 |
| ISN                 | Rohde & Schwarz      | ENY411110 | EMC0115  | Mar. 18, 2014 | Mar. 17, 2015 |
| EMI Test Receiver   | Rohde & Schwarz      | ESU26     | GTS203   | Mar. 18, 2014 | Mar. 17, 2015 |
| Coaxial Cable       | GTS                  | N/A       | GTS400   | Mar. 18, 2014 | Mar. 17, 2015 |
| AC Power Source     | EMTEST               | ACS500    | GTS218   | Mar. 27, 2014 | Mar. 26, 2015 |
| Power Analyzer      | EMTEST               | DPA500    | GTS217   | Mar. 27, 2014 | Mar. 26, 2015 |
| CTS3.0 Software     | California           | N/A       | SEL0087  | N/A           | N/A           |
|                     | Instruments          |           |          |               |               |

### **2 TEST CONFIGURATION**

### 2.1 Justification

The system was configured for testing in a typical fashion (as normally used by a typical user).

### 2.2 EUT Exercise Software

The EUT exercising program used during radiated and conducted testing was designed to exercise the various system components in a manner similar to a typical use. The software offered by manufacture, can let the EUT being normal operation.

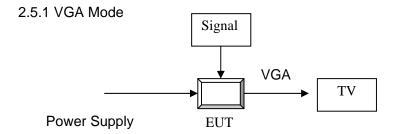
### 2.3 Special Accessories

As shown in section 2.5, interface cable used for compliance testing is shielded as normally supplied by **NUUO INC.** and its respective support equipment manufacturers.

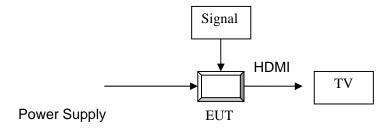
### 2.4 Equipment Modifications

The EUT tested was not modified by EST.

### 2.5 Basic Test Setup Block Diagram



### 2.5.2 HDMI Mode



### **3 DISTURBANCE VOLTAGE AT THE MAINS TERMINALS**

### 3.1 Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, and LISN.

The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of any conducted emissions measurement is <u>+</u>2.4 dB.

# 3.2 Limit of Disturbance Voltage at The Mains Terminals (FCC PART15 Subpart B Class B)

| Fraguency Pango (MUz) | Limits     | ( dBuV) |
|-----------------------|------------|---------|
| Frequency Range (MHz) | Quasi-Peak | Average |
| 0.150~0.500           | 66-56      | 56-46   |
| 0.500-5.000           | 56         | 46      |
| 5.000~30.00           | 60         | 50      |

Note: (1) The tighter limit shall apply at the edge between two frequency bands.

### 3.3 EUT Setup

The setup of EUT is according with ANSI C63.4-2009 measurement procedure. The specification used was the FCC Rules and Regulations Part 15 Subpart B limits.

The EUT was placed center and the back edge of the test table.

The AV cables were draped along the test table and bundled to 30-40cm in the middle.

The spacing between the peripherals was 10 cm.

Maximum emission emitted from EUT was determined by manipulating the EUT, support equipment, interconnecting cables and varying the mode of operation and the levels in the final result of the test were recorded with the EUT running in the operating mode that maximum emission was emitted.

### 3.4 Instrument Setup

The test receiver was set with the following configurations:

Test Receiver Setting:

### 3.5 Test Procedure

During the conducted emission test, the EUT power cord was connected to the auxiliary outlet of the first Artificial Mains.

Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance using all installation combination.

All data was recorded in the peak detection mode. Quasi-peak and Average readings were only performed when an emission was found to be marginal (within -10 dB $_{\mu}$ V of specification limits). Quasi-peak readings are distinguished with a "**QP**". Average readings are distinguished with a "**AV**".

### 3.6 Disturbance Voltage Test Data

| Temperature ( °C )           | 26                     |
|------------------------------|------------------------|
| Humidity ( %RH )             | 58                     |
| Barometric Pressure ( mbar ) | 1001.1                 |
| EUT                          | Network Video Recorder |
| M/N                          | NVC-2080               |
| Operating Mode               | ON                     |
| Test Result                  | Pass                   |

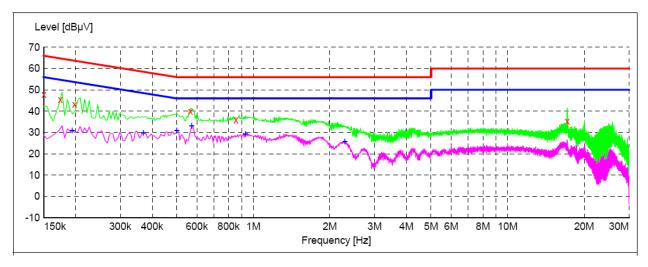
Test data see following pages.

**Remark**: (1) When PK reading is less than relevant limit 20dB, the QP reading and AV reading will not be recorded.

(2) Where QP reading is less than relevant AV limit, the AV reading will not be measured

| Conduction Emission Test Data |                        |  |  |  |
|-------------------------------|------------------------|--|--|--|
| EUT                           | Network Video Recorder |  |  |  |
| M/N                           | NVC-2080               |  |  |  |
| Operating Condition           | ON                     |  |  |  |
| Test Site                     | Shielding Room         |  |  |  |
| Operator                      | HAPPY                  |  |  |  |
| Test Specification            | AC 120V, 60Hz          |  |  |  |

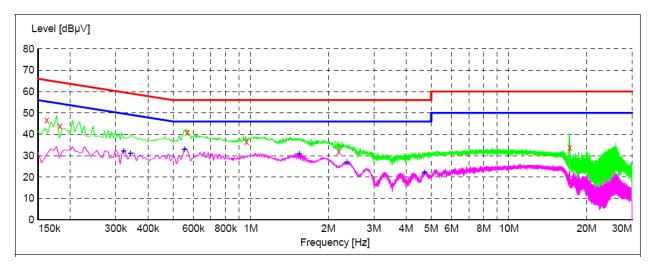
SCAN TABLE: "Voltage (9K-30M)FIN"
Short Description: 150K-30M Voltage



| Frequency<br>MHz  | Level<br>dBµV                                      | Transd<br>dB                                 | Limit<br>dBµV              | Margin<br>dB                                 | Detector                         | Line                             | PE                                     |
|---|--|--|----------------------------|--|----------------------------------|----------------------------------|--|
| 0.150000<br>0.174000<br>0.198000<br>0.566000<br>0.854000<br>17.150000 | 47.80<br>45.30<br>43.10<br>40.00<br>35.70<br>35.40 | 10.2<br>10.2<br>10.2<br>10.2<br>10.2<br>10.2 | 66<br>65<br>64<br>56<br>56 | 18.2<br>19.5<br>20.6<br>16.0<br>20.3<br>24.6 | QP<br>QP<br>QP<br>QP<br>QP<br>QP | L1<br>L1<br>L1<br>L1<br>L1<br>L1 | GND<br>GND<br>GND<br>GND<br>GND<br>GND |
| Frequency<br>MHz  | Level<br>dBµV                                      | Transd<br>dB                                 | Limit<br>dBµV              | Margin<br>dB                                 | Detector                         | Line                             | PE                                     |
| 0.194000<br>0.370000<br>0.500000<br>0.572000<br>0.932000<br>2.288000  | 30.80<br>29.90<br>30.80<br>33.10<br>29.30<br>25.80 | 10.2<br>10.2<br>10.2<br>10.2<br>10.3<br>10.4 | 54<br>49<br>46<br>46<br>46 | 23.1<br>18.6<br>15.2<br>12.9<br>16.7<br>20.2 | AV<br>AV<br>AV<br>AV<br>AV       | L1<br>L1<br>L1<br>L1<br>L1       | GND<br>GND<br>GND<br>GND<br>GND<br>GND |

| Conduction Emission Test Data |                        |  |  |  |
|-------------------------------|------------------------|--|--|--|
| EUT                           | Network Video Recorder |  |  |  |
| M/N                           | NVC-2080               |  |  |  |
| Operating Condition           | ON                     |  |  |  |
| Test Site                     | Shielding Room         |  |  |  |
| Operator                      | HAPPY                  |  |  |  |
| Test Specification            | AC 120V, 60Hz          |  |  |  |

SCAN TABLE: "Voltage (9K-30M)FIN"
Short Description: 150K-30M Voltage



| Frequency<br>MHz  | Level<br>dBµV                                      | Transd<br>dB                         | Limit<br>dBµV              | Margin<br>dB                                 | Detector                         | Line                  | PE                                     |
|---|--|--------------------------------------|----------------------------|--|----------------------------------|-----------------------|--|
| 0.162000<br>0.182000<br>0.566000<br>0.962000<br>2.192000<br>17.192000 | 46.60<br>43.80<br>40.80<br>36.60<br>32.00<br>33.70 | 10.2<br>10.2<br>10.2<br>10.3<br>10.4 | 65<br>64<br>56<br>56<br>56 | 18.8<br>20.6<br>15.2<br>19.4<br>24.0<br>26.3 | QP<br>QP<br>QP<br>QP<br>QP<br>QP | N<br>N<br>N<br>N<br>N | GND<br>GND<br>GND<br>GND<br>GND<br>GND |
| Frequency<br>MHz  | Level<br>dBµV                                      | Transd<br>dB                         | Limit<br>dBµV              | Margin<br>dB                                 | Detector                         | Line                  | PE                                     |
| 0.322000<br>0.342000<br>0.554000                                      | 32.30<br>31.10                                     | 10.2<br>10.2                         | 50<br>49                   | 17.4<br>18.1                                 | AV<br>AV                         | N<br>N                | GND<br>GND                             |

### **4 RADIATED DISTURBANCES**

### **4.1 Measurement Uncertainty**

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase center variation, antenna factor frequency interpolation, measurement distance variation, site imperfections, mismatch (average), and system repeatability.

The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of a radiation emissions measurement is +4.0 dB.

### 4.2 Limit of Radiated Disturbances (Subpart B Class B)

| Frequency (MHz) | Distance (Meters) | Field Strengths Limits (dBμV/m) |
|-----------------|-------------------|---------------------------------|
| 30 ~ 88         | 3                 | 40                              |
| 88 ~216         | 3                 | 43.5                            |
| 216 ~ 960       | 3                 | 46                              |
| 960~1000        | 3                 | 49.5                            |

Note: (1) The tighter limit shall apply at the edge between two frequency bands.

(2) Distance refers to the distance in meters between the test instrument antenna and the closest point of any part of the E.U.T.

### 4.3 EUT Setup

The radiated emission tests were performed in the in the 3-meter anechoic chamber, using the setup accordance with the ANSI C63.4-2009. The specification used was the FCC Part 15 Subpart B limits.

The EUT was placed on the center of the test table.

Maximum emission emitted from EUT was determined by manipulating the EUT, support equipment, interconnecting cables and varying the mode of operation and the levels in the final result of the test were recorded with the EUT running in the operating mode that maximum emission was emitted.

### 4.4 Test Receiver Setup

According to FCC Part 15 rule, the frequency was investigated from 30 to 1000 MHz. During the radiated emission test, the test receiver was set with the following configurations:

### Test Receiver Setting:

### Antenna Position:

Height......1m to 4m
Polarity......Horizontal and Vertical

### 4.5 Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

All data was recorded in the peak detection mode. Quasi-peak readings performed only when an emission was found to be marginal (within -10 dB $_{\mu}$ V of specification limits), and are distinguished with a "**QP**" in the data table.

### 4.6 Radiated Emissions Test Result

| Temperature ( °C )           | 26                     |
|------------------------------|------------------------|
| Humidity ( %RH )             | 56                     |
| Barometric Pressure ( mbar ) | 1001.1                 |
| EUT                          | Network Video Recorder |
| M/N                          | NVC-2080               |
| Operating Mode               | VGA & HDMI Mode        |
| Test Result                  | Pass                   |

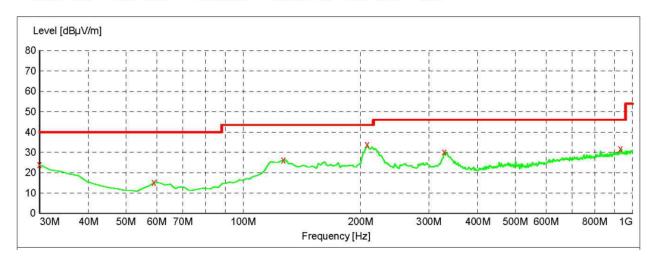
Test data see following pages.

**Remark**: (1) When PK reading is less than relevant limit 20dB, the QP reading and AV reading will not be recorded.

(2) Where QP reading is less than relevant AV limit, the AV reading will not be measured

| Radiated Emission Test Data |                        |  |  |  |  |
|-----------------------------|------------------------|--|--|--|--|
| EUT                         | Network Video Recorder |  |  |  |  |
| M/N                         | NVC-2080               |  |  |  |  |
| Operating Condition         | VGA Mode               |  |  |  |  |
| Test Site                   | 3m Chamber             |  |  |  |  |
| Operator                    | SAM                    |  |  |  |  |
| Test Specification          | AC 120V, 60Hz          |  |  |  |  |

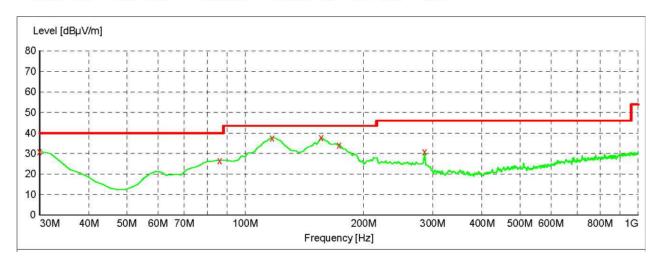
SWEEP TABLE: "test (30M-1G)"
Short Description: Field Strength Detector Meas. IF Start Stop Transducer Frequency Frequency 30.0 MHz 1.0 GHz Bandw. Time MaxPeak 300.0 ms 120 kHz JB1



| Frequency<br>MHz | Level<br>dBµV/m | Transd<br>dB | Limit<br>dBµV/m | Margin<br>dB | Det. | Height<br>cm | Azimuth<br>deg | Polarization |
|------------------|-----------------|--------------|-----------------|--------------|------|--------------|----------------|--------------|
| 30.000000        | 23.90           | 21.1         | 40.0            | 16.1         |      | 0.0          | 0.00           | HORIZONTAL   |
| 59.100000        | 15.20           | 8.3          | 40.0            | 24.8         |      | 0.0          | 0.00           | HORIZONTAL   |
| 127.000000       | 26.20           | 15.0         | 43.5            | 17.3         |      | 0.0          | 0.00           | HORIZONTAL   |
| 208.480000       | 33.80           | 14.3         | 43.5            | 9.7          |      | 0.0          | 0.00           | HORIZONTAL   |
| 328.760000       | 30.20           | 16.2         | 46.0            | 15.8         |      | 0.0          | 0.00           | HORIZONTAL   |
| 932.100000       | 31.80           | 26.4         | 46.0            | 14.2         |      | 0.0          | 0.00           | HORIZONTAL   |

| Radiated Emission Test Data |                        |  |  |
|-----------------------------|------------------------|--|--|
| EUT                         | Network Video Recorder |  |  |
| M/N                         | NVC-2080               |  |  |
| Operating Condition         | VGA Mode               |  |  |
| Test Site                   | 3m Chamber             |  |  |
| Operator                    | SAM                    |  |  |
| Test Specification          | AC 120V, 60Hz          |  |  |

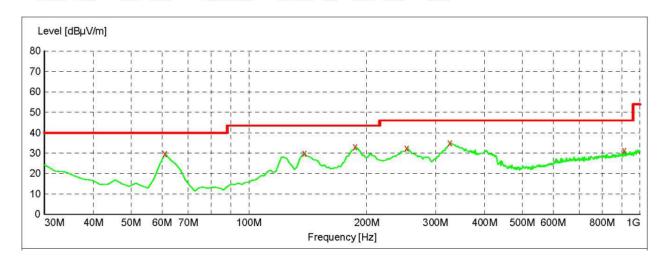
SWEEP TABLE: "test (30M-1G)"
Short Description: Fig. Start Stop Detector Field Strength Detector Meas. IF Time Bandw. Transducer Frequency Frequency 30.0 MHz 1.0 GHz MaxPeak 300.0 ms 120 kHz JB1



| Frequency<br>MHz | Level<br>dBµV/m | Transd<br>dB | Limit<br>dBµV/m | Margin<br>dB | Det. | Height<br>cm | Azimuth<br>deg | Polarization |
|------------------|-----------------|--------------|-----------------|--------------|------|--------------|----------------|--------------|
| 30.000000        | 31.00           | 21.1         | 40.0            | 9.0          |      | 0.0          | 0.00           | VERTICAL     |
| 86.260000        | 26.60           | 9.3          | 40.0            | 13.4         |      | 0.0          | 0.00           | VERTICAL     |
| 117.300000       | 37.70           | 15.1         | 43.5            | 5.8          |      | 0.0          | 0.00           | VERTICAL     |
| 156.100000       | 37.80           | 14.0         | 43.5            | 5.7          |      | 0.0          | 0.00           | VERTICAL     |
| 173.560000       | 34.20           | 13.3         | 43.5            | 9.3          |      | 0.0          | 0.00           | VERTICAL     |
| 286.080000       | 31.00           | 15.4         | 46.0            | 15.0         |      | 0.0          | 0.00           | VERTICAL     |

| Radiated Emission Test Data |                        |  |  |
|-----------------------------|------------------------|--|--|
| EUT                         | Network Video Recorder |  |  |
| M/N                         | NVC-2080               |  |  |
| Operating Condition         | HDMI Mode              |  |  |
| Test Site                   | 3m Chamber             |  |  |
| Operator                    | SAM                    |  |  |
| Test Specification          | AC 120V, 60Hz          |  |  |

SWEEP TABLE: "test (30M-1G)"
Short Description: Field Strength Detector Meas. IF Time Bandw. Start Stop Transducer Frequency Frequency 30.0 MHz 1.0 GHz MaxPeak 300.0 ms 120 kHz JB1



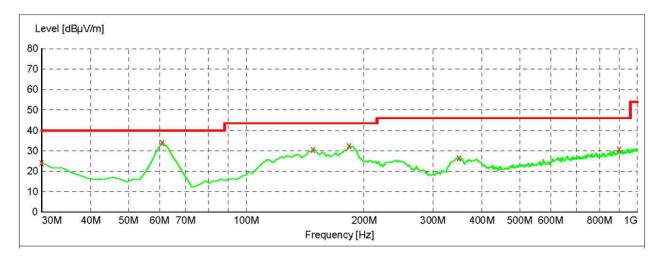
| Frequency<br>MHz | Level<br>dBµV/m | Transd<br>dB | Limit<br>dBµV/m | Margin<br>dB | Det. | Height<br>cm | Azimuth<br>deg | Polarization |
|------------------|-----------------|--------------|-----------------|--------------|------|--------------|----------------|--------------|
| 61.040000        | 29.70           | 8.4          | 40.0            | 10.3         |      | 0.0          | 0.00           | HORIZONTAL   |
| 138.640000       | 29.90           | 14.7         | 43.5            | 13.6         |      | 0.0          | 0.00           | HORIZONTAL   |
| 187.140000       | 33.10           | 13.4         | 43.5            | 10.4         |      | 0.0          | 0.00           | HORIZONTAL   |
| 253.100000       | 32.50           | 14.4         | 46.0            | 13.5         |      | 0.0          | 0.00           | HORIZONTAL   |
| 326.820000       | 35.00           | 16.2         | 46.0            | 11.0         |      | 0.0          | 0.00           | HORIZONTAL   |
| 910.760000       | 31.30           | 26.2         | 46.0            | 14.7         |      | 0.0          | 0.00           | HORIZONTAL   |

| Radiated Emission Test Data |                        |  |  |  |  |
|-----------------------------|------------------------|--|--|--|--|
| EUT                         | Network Video Recorder |  |  |  |  |
| M/N                         | NVC-2080               |  |  |  |  |
| Operating Condition         | HDMI Mode              |  |  |  |  |
| Test Site                   | 3m Chamber             |  |  |  |  |
| Operator                    | SAM                    |  |  |  |  |
| Test Specification          | AC 120V, 60Hz          |  |  |  |  |

SWEEP TABLE: "test (30M-1G)"

Short Description: Field Strength
Start Stop Detector Meas. IF
Frequency Frequency
30.0 MHz 1.0 GHz MaxPeak 300.0 ms 120 kHz Transducer

MaxPeak 300.0 ms 120 kHz JB1



| Frequency<br>MHz | Level<br>dBµV/m | Transd<br>dB | Limit<br>dBµV/m | Margin<br>dB | Det. | Height<br>cm | Azimuth<br>deg | Polarization |
|------------------|-----------------|--------------|-----------------|--------------|------|--------------|----------------|--------------|
| 30.000000        | 24.20           | 21.1         | 40.0            | 15.8         |      | 0.0          | 0.00           | VERTICAL     |
| 61.040000        | 34.10           | 8.4          | 40.0            | 5.9          |      | 0.0          | 0.00           | VERTICAL     |
| 148.340000       | 30.60           | 14.2         | 43.5            | 12.9         |      | 0.0          | 0.00           | VERTICAL     |
| 183.260000       | 32.60           | 13.3         | 43.5            | 10.9         |      | 0.0          | 0.00           | VERTICAL     |
| 350.100000       | 26.60           | 16.9         | 46.0            | 19.4         |      | 0.0          | 0.00           | VERTICAL     |
| 899.120000       | 30.90           | 26.1         | 46.0            | 15.1         |      | 0.0          | 0.00           | VERTICAL     |

# **APPENDIX A. EUT PHOTOGRAPHS**

# **EUT - Front View**



**EUT - Back View** 

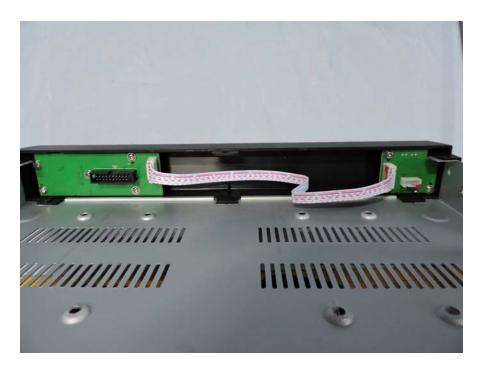


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## **EUT - Inside View**



# **EUT - Inside View**



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## **EUT - Inside View**



# **EUT - Inside View**



# **APPENDIX B - TEST SETUP PHOTOGRAPHS**

# **Conducted Emission**



# **Radiated Emission**

